

 <p align="center">Financial Assistance Award</p> <p align="center">DENALI COMMISSION 510 L Street, Suite 410 Anchorage, Alaska 99501 (907) 271-1414 (phone) (907) 271-1415 (fax) www.denali.gov</p>		Award Number	01125-00																																																																							
		Award Title	Remote Monitoring and Metering																																																																							
		Performance Period	October 1, 2008 through March 31, 2011																																																																							
Authority 112 Stat 1854		CFDA Number 90.100	Recipient Organization & Address Alaska Energy Authority 813 West Northern Lights Blvd. Anchorage, AK 99503 Phone: (907) 771-3000 Recipient DUNS # 054072608 TIN # 926001185																																																																							
Denali Commission Finance Officer Certification		Jennifer Price 05/26/2009																																																																								
Cost Share Distribution Table <table border="1"> <thead> <tr> <th rowspan="2">Accounting Code</th> <th colspan="2">New Funding</th> <th colspan="2">Prior Period Funding</th> <th rowspan="2">Total</th> </tr> <tr> <th>Denali Commission</th> <th>Other Contributors</th> <th>Denali Commission</th> <th>Other Contributors</th> </tr> </thead> <tbody> <tr> <td>95670000AL</td> <td>\$153,000.00</td> <td></td> <td>\$0.00</td> <td></td> <td>\$153,000.00</td> </tr> <tr> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> </tr> <tr> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> </tr> <tr> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> </tr> <tr> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> </tr> <tr> <td></td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td></td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td></td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td></td> <td></td> <td>\$0.00</td> <td></td> <td>\$0.00</td> <td>\$0.00</td> </tr> <tr> <td>Total</td> <td>\$153,000.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$153,000.00</td> </tr> </tbody> </table>					Accounting Code	New Funding		Prior Period Funding		Total	Denali Commission	Other Contributors	Denali Commission	Other Contributors	95670000AL	\$153,000.00		\$0.00		\$153,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00			\$0.00		\$0.00	\$0.00			\$0.00		\$0.00	\$0.00			\$0.00		\$0.00	\$0.00			\$0.00		\$0.00	\$0.00	Total	\$153,000.00	\$0.00	\$0.00	\$0.00	\$153,000.00
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This Financial Assistance Award approved by the Federal Co-Chair of the Denali Commission constitutes an obligation of federal funding. This award of \$153,000 is a continuation of the original Remote Monitoring and Metering project from expired award 0048-DC-2002-11 (Alaska Energy Authority project number 403004). The Remote Monitoring and Metering project provides support for the development of reliable communications and data capture for Powerhouse Modules constructed in rural Alaska under the RPSU program. The objective of this project is to improve the capabilities of monitoring, data collection, and reporting of the rural power plant systems. The monitoring capacity provides rural communities access to technical expertise by authorized AEA personnel during times of a breakdown. The goal is to prevent the loss of service through early detection of performance degradation, imminent failures, fuel leaks, and possible service interruption situations. Efficient performance and early detection of breakdowns lowers operation and maintenance costs. The capability to collect data and monitor is valuable to other AEA Programs such as Bulk Fuel, Emergency Response, Power Cost Equalization, and Circuit Rider.																																																																										
Signature of Authorized Official - Denali Commission Electronically Signed		Typed Name and Title George Cannelos Federal Co-Chair		Date 05/20/2009																																																																						

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AWARD CONDITIONS

1. Scope of Work

This award of \$153,000 is a continuation of the original Remote Monitoring and Metering project from expired award 0048-DC-2002-II (Alaska Energy Authority project number 403004).

The Remote Monitoring and Metering project provides support for the development of reliable communications and data capture for Powerhouse Modules constructed in rural Alaska under the RPSU program. The objective of this project is to improve the capabilities of monitoring, data collection, and reporting of the rural power plant systems.

The monitoring capacity provides rural communities access to technical expertise by authorized Alaska Energy Authority (AEA) personnel during times of a breakdown. The goal is to prevent the loss of service through early detection of performance degradation, imminent failures, fuel leaks, and possible service interruption situations. Efficient performance and early detection of breakdowns lowers operation and maintenance costs. The capability to collect data and monitor is valuable to other AEA Programs such as Bulk Fuel, Emergency Response, Power Cost Equalization, and Circuit Rider.

Remote Monitoring is unique in that the features are part of the existing functionality of the Powerhouse Electrical Distribution Switchgear installed in all of AEA's Rural Power System Upgrade Projects. The Switchgear has autonomous capabilities that work in conjunction with monitoring and data collection. This system is PC based with internet access that will allow data collection, coordination, and control of the rural powerhouse in real time from anywhere. This is not a capital project and match is not required at this time.

All Commission funding is intended for use for the scope of work identified in the Award document only. Any balance of funds remaining after the full scope of work has been completed will be returned to the Denali Commission.

2. Milestones

The following milestones are identified as the major steps to be completed as part of the project. "Planned" dates for the first milestone are included here. As part of each progress report, recipients shall update the progress toward meeting these milestones (see section 7, Reporting).

Milestone	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Units	Total Cost at Completion
In-Progress	10/01/2008	12/31/2010	mm/dd/yyyy	mm/dd/yyyy	nn	\$
Project Close-out	01/01/2011	03/31/2011	mm/dd/yyyy	mm/dd/yyyy	nn	\$

3. Award Performance Period

The Award performance period is October 1, 2008 through March 31, 2011. This is the period during which Award recipients can incur obligations or costs against this Award.

4. Direct and Indirect Costs

The cost principles of OMB 87 are applicable to this Award. No indirect costs are allowable under this

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award. Please refer to the cost principles regulations for specific details on other allowable charges under this Award.

5. Budget and Program Revisions

The Administrative Circular, OMB A-102, applies to this Award. Please refer to the Administrative Circular for specific details on revisions to this Award. The Administrative Circular requires that that Alaska Energy Authority (AEA) will inform the Commission in writing (e-mail, letter, or report) at the earliest possible date of any unanticipated project cost overrun, project schedule delays, or changes in the project scope or changed site conditions.

6. Payments

Payments under this Award will be made by electronic transfer in response to a "Request for Advance or Reimbursement", Standard Form 270 (SF-270) submitted by AEA. Requests for reimbursements may be made as needed. The SF-270 must be submitted to the Denali Commission via fax, e-mail (finance@denali.gov) or mail in order for payment to be processed. The form is available on the OMB website: http://www.whitehouse.gov/OMB/grants/grants_forms.html. Payments shall be made in accordance with OMB Circular A-102. Please contact the Denali Commission's Finance Specialist at (907) 271-1414 for further information about submitting this form. No interest will be accrued on these funds.

7. Reporting

Two forms of project reporting are required under this Award, listed below. AEA shall submit reports using the Denali Commission's on-line Project Database System, available at www.denali.gov. If there are technical limitations which may prevent the recipient from meeting this requirement, please contact the Program Manager listed in this agreement.

a. Progress Reports shall be submitted on a quarterly basis. The first reporting period is October 1, 2008 to June 30, 2009 and quarterly thereafter. Reports are due within 30 days of the end of the reporting period. Progress reports shall include the following:

- i. Total project funding, including both Denali Commission funding and other project funding sources.
- ii. The total project expenditures for the project as of the end of the reporting period, including both Denali Commission and Other funding sources.
- iii. Updated schedule and milestone information as identified in the Scope of Work
- iv. Narrative summary of the project status and accomplishments to date, and address the following questions: is the project on schedule, is the project on budget, and what actions are planned to address any project problems.
- v. For minor repair and renovation projects or other non-construction projects, pictures should be provided of before and after, or photos that are representative of the funded activity, to the extent possible. Photos shall be provided in a digital format as part of the on-line report. A short description of the activity and names of those in the photos shall also be provided.

b. Federal Single Audits shall be submitted annually, when required. In accordance with OMB Circular A-133, which requires [subpart 200] "Non-Federal entities that expend \$500,000 or more in a year in Federal awards shall have a single or program-specific audit conducted for that year in accordance with the provisions of this part [subpart 205]. The determination of when an award is expended should be

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based on when the activity related to the award occurs."

Recipients shall also submit single audits to the Federal Clearinghouse as designated by OMB. Information can be found on the following web-site: <http://harvester.census.gov/sac/>

8. Project/Award Close-Out

The project close-out report shall be completed within 90 days of the end of the Award performance period or within 90 days of the completion of the project, whichever is earlier. Recipients must also draw down any remaining funds for expenditures incurred under this award during this 90-day period.

The project close-out report shall be submitted on-line through the Denali Commission's on-line Project Database System, available at <http://www.denali.gov/>. The project close out will require the recipient to submit the following information:

- a. Final data for each item listed in paragraph 7(a) "Progress Reports"
- b. Final project expenditures itemized by the following categories: planning & design; materials & equipment; freight; labor; project administration/overhead and other expenses.
- c. Acknowledgement of support: For all non-construction projects, the Award recipient shall include an acknowledgement of the Government's support for the project(s) developed under this Award. The format for acknowledgement of the Government's support for non-construction awards will vary with each award and must be agreed upon between the Award recipient and the Denali Commission Project Manager. Costs associated with this requirement shall be paid out of the project funding received by the Award recipient from the Denali Commission.

9. Public Policy Laws and Assurances

Award Recipients are required to comply with the public policy laws and assurances on Standard Forms SF 424b. Some of the laws are highlighted below for your reference.

To the maximum extent practicable, considering applicable laws, Funding Recipients shall accomplish the project contemplated by the Award using local Alaska firms and labor.

No portion of this award may be used for lobbying or propaganda purposes as prohibited by 18 U.S.C. Section 1913 or Section 607(a) of Public Law 96-74.

Project level environmental reviews in accordance with the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA) are required for each project undertaken with Denali Commission funds.

10. Non-Compliance with Award Conditions

Recipients not in compliance with the terms and conditions of this Financial Assistance Award will be notified by the Denali Commission. The Denali Commission will work with the recipient to identify the steps necessary to bring them back into compliance, and will establish an appropriate time frame for the corrections to be made. If the corrections have not been made by the deadline, the Denali Commission reserves the right to either suspend or unilaterally terminate the Financial Assistance Award for non-performance.

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11. Program Manager, Financial Manager & Other Contact Information

Denali Commission	Alaska Energy Authority
Denali Daniels Program Manager 510 L Street, Suite 410 Anchorage, AK 99501 Phone: (907) 271-1189 Fax: (907) 271-1415 E-mail: ddaniels@denali.gov	Chris Mello Program Manager 813 W. Northern Lights Blvd. Anchorage, AK 99503 Phone: (907) 771-3072 Fax: (907) 771-3044 E-mail: cmello@aidea.org
Mariah McNair Grants Administrator 510 L Street, Suite 410 Anchorage, AK 99501 Phone: (907) 271-2367 Fax: (907) 271-1415 E-mail: mmcnair@denali.gov	Amy McCollum Financial Contact 813 W. Northern Lights Blvd. Anchorage, AK 99503 Phone: (907) 771-3013 Fax: (907) 771-3044 E-mail: amccollum@aidea.org

12. Other project specific paragraphs may be added here

The 2008-2009 Denali Commission-AEA Memorandum of Agreement requires that AEA participate in Commission committees and workgroups as available, as well as to participate in biannual meetings to share lessons learned and best practices. Another biannual meeting focus is reporting on the measureable improvements brought about as a result of the Commission's Energy Program and development of program evaluation metrics.